

KD-Validated Anti-LDL Receptor Related Protein 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1869

Product Information

Application	WB, FC
Primary Accession	Q07954
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB4945
Calculated MW	504606
Gene Name	LRP1
Aliases	LRP1; LDL Receptor Related Protein 1; APOER; Alpha-2-Macroglobulin Receptor; IGFBP3R1; IGFBP-3R; LRP1A; CD91; A2Human, rat; LRP; APR; Prolow-Density Lipoprotein Receptor-Related Protein 1; Low Density Lipoprotein Receptor-Related Protein 1; Apolipoprotein E Receptor; Transforming Growth Factor- β Receptor Type V; TbetaR-V/LRP-1/IGFBP-3 Receptor; Type V Tgf-Beta Receptor; CD91 Antigen; EC 3.4.21.9; EC 1.1.1.94; IGFBP3R; TGFBR5; LRP-1; KPA
Immunogen	A synthesized peptide derived from human LRP1

Additional Information

Gene ID	4035
Other Names	Prolow-density lipoprotein receptor-related protein 1, LRP-1, Alpha-2-macroglobulin receptor, A2MR, Apolipoprotein E receptor, APOER, CD91, Low-density lipoprotein receptor-related protein 1 85 kDa subunit, LRP-85, Low-density lipoprotein receptor-related protein 1 515 kDa subunit, LRP-515, Low-density lipoprotein receptor-related protein 1 intracellular domain, LRPICD, LRP1 (HGNC:6692), A2MR, APR

Protein Information

Name	LRP1 (HGNC:6692)
Synonyms	A2MR, APR
Function	Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells (PubMed: 11907044 , PubMed: 12713657). Required for early embryonic development (By similarity). Involved in cellular lipid homeostasis. Involved in the plasma clearance of chylomicron remnants and activated LRPAP1 (alpha 2-macroglobulin), as well as the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. Acts as an LRPAP1

alpha-2- macroglobulin receptor (PubMed:[1702392](#), PubMed:[26142438](#)). Acts as TAU/MAPT receptor and controls the endocytosis of TAU/MAPT as well as its subsequent spread (PubMed:[32296178](#)). May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission (PubMed:[12888553](#)). Also acts as a receptor for IGFBP3 to mediate cell growth inhibition (PubMed:[9252371](#)).

Cellular Location

[Low-density lipoprotein receptor-related protein 1 85 kDa subunit]: Cell membrane; Single-pass type I membrane protein Membrane, coated pit
[Low-density lipoprotein receptor-related protein 1 intracellular domain]: Cytoplasm Nucleus. Note=After cleavage, the intracellular domain (LRP1CD) is detected both in the cytoplasm and in the nucleus.

Tissue Location

Most abundant in liver, brain and lung.

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